



## Wednesday, May 13

### Facility-specific Workshops

#### APS Workshop 6

#### APS Upgrade: Planning the First Experiments

Location: Bldg. 402, Lecture Hall

Organizers: Eric Landahl (DePaul University) and Stefan Vogt (Argonne National Laboratory)

The purpose of this workshop is to discuss the opportunity to create Partner User Proposals (PUPs) for developing experimental systems, methods, and technologies needed to lay the foundation for the first experiments at the APS Upgrade. It is expected that a significant fraction of beam time over the next several years will need to be dedicated to the efforts of the Upgrade Partner Users.

Following a brief status update on the Upgrade, including a discussion of anticipated performance parameters, this workshop will break into self-organized groups of interested participants. An APS beamline staff member will serve as moderator for each working group and will be able to provide additional beamline-related information. PUPs resulting from this workshop might include the following:

Development of new model systems or samples that will take advantage of the improved coherence of the upgraded storage ring. PUPs are encouraged that will exploit existing capabilities to conduct preliminary studies on new samples that are candidates for the first experiments at the Upgrade

Development of experimental or analysis techniques that will reach their full potential using the improved coherence of the upgraded storage ring. PUPs might include exploiting coherence in existing techniques (e.g., applying coherence methods to macromolecular crystallography or EXAFS) or in testing entirely new approaches to coherent x-ray science.

Development of technologies necessary for successful use of the upgraded storage ring. PUPs might be used to provide beam time for testing optics, detectors, or data acquisition aspects of anticipated first experiments.

PUPs contribute to the development of the facility in exchange for a set amount of beam time. Further information is available on the PUP web page.

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8:30 – 8:40	Eric Landahl <i>Welcome &amp; Introduction</i>
8:40 – 8:55	Stuart Henderson <i>Overview of the APS Upgrade</i>
8:55 – 9:20	Stefan Vogt <i>The APS Upgrade: Unique Opportunities</i>
9:20 – 9:30	Dennis Mills <i>The Partner User Proposal Process</i>
9:30 – 10:15	Open forum and single-slide staff presentations to seed breakout discussions groups
10:15 – 10:45	Coffee Break

## Workshop Agendas and Abstracts

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10:45 – 12:00      Breakout discussions groups (locations announced during workshop)

12:00                Adjourn

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